

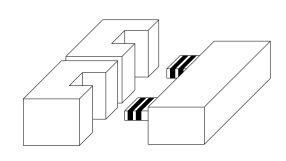
BAL CONTACT™ SPRINGS FOR HIGH-POWER SYSTEMS

A significant advantage of Bal Contact[™] springs is their flexibility to conform to any shape, depending on the customer's requirements. Bal Contact[™] springs can be supplied in welded rings or cutlengths. The patented canted-coil spring has near-constant spring contact force over a wide range of working deflection and compensates for large mating tolerances and surface irregularities.

In addition, Bal Contact[™] springs are ideal for high current applications because of their multiple-point contacts and the availability of highly conductive materials. Many customers choose Bal Contact[™] springs for easy assembly, minimal space requirements and excellent electrical performance.

Rectangular Connectors





Operating Parameters

Current: 400, 900, 1,400, 1,800 A

Current pulse: 25kA (3 seconds)

Contact resistance: $R < 0.1 \text{ m}\Omega$

Cycles: 5

Connector heights: 30, 60, and 80 mm

Mating Material: E-copper Spring Selection: 105MB

Spring material: Beryllium copper

Features of Bal Contact™ Spring:

- Flexible design allows spring to conform to almost any configuration
- Controlled insertion and removal force makes assembly and installation easy
- · Canted-coil design permits wide tolerances on mating parts for low production costs
- High resistance to compression set provides maintenance-free, long life cycle
- Use of minimal part count simplifies connector design; springs are self-retained in grooves
- Highly concentrated forces at numerous contact points provide excellent electrical performance

For more information and technical assistance, consult the Bal Seal Technical Sales Department.